

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/IB 03/05959A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02F1/139 G02F1/1335

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/047957 A1 (VENEMA JAN WILLEM) 25 April 2002 (2002-04-25) * examples * paragraph '0007!; claims 1,12 * idem *	1,3,4,7
Y	---	5,6
X	CHENG H ET AL: "ANALYSIS OF OPERATION MODE OF REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICES" LIQUID CRYSTALS, TAYLOR AND FRANCIS LTD, LONDON, GB, vol. 26, no. 11, November 1999 (1999-11), pages 1573-1578, XP000883426 ISSN: 0267-8292 abstract; figure 1 page 1576, column 1, line 1 - line 3 * chapter 4 *	1-3,7

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

18 March 2004

29/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 12, 3 January 2001 (2001-01-03) & JP 2000 241815 A (CITIZEN WATCH CO LTD), 8 September 2000 (2000-09-08) abstract ---	1-3,7
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22, 9 March 2001 (2001-03-09) & JP 2001 125105 A (CITIZEN WATCH CO LTD), 11 May 2001 (2001-05-11) abstract ---	5,6
P,X	EP 1 279 994 A (ALPS ELECTRIC CO LTD) 29 January 2003 (2003-01-29) * examples * claim 1; figures 3-6 -----	1-7

INTERNATIONAL SEARCH REPORT
Information on patent family members

Int'l	Application No
PCT/IB 03/05959	

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002047957	A1	25-04-2002	WO	0217006 A2		28-02-2002
JP 2000241815	A	08-09-2000	EP	1074874 A1		07-02-2001
			WO	0050954 A1		31-08-2000
			JP	3474167 B2		08-12-2003
			US	6567141 B1		20-05-2003
JP 2001125105	A	11-05-2001	NONE			
EP 1279994	A	29-01-2003	CN	1400492 A		05-03-2003
			EP	1279994 A2		29-01-2003
			JP	2003107462 A		09-04-2003
			US	2003086039 A1		08-05-2003